

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*In re* Application of: Clifford Brown, et al. : Confirmation No.: 3876  
Serial No.: 09/722,168 : Art Unit: 2611  
Filed: 11/22/2000 : Examiner: Kevin Y. Kim  
For: SYSTEM AND METHOD :  
FOR AUTOMATIC  
DIAGNOSIS OF  
IMPAIRMENTS IN A  
DIGITAL QUADRATURE  
AMPLITUDE  
MODULATED SIGNAL

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO NON FINAL OFFICE ACTION**

Sir:

The following Amendment and Remarks are submitted under 37 C.F.R. §1.111 in response to the Non Final Office Action mailed November 29, 2006, following the amendment format set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Claims and Remarks, each starting on a separate page.

Amendments to the Claims consist of an amendment for claim 54, which is incorporated in a complete listing of the claims.

Reconsideration of the rejections and objections is respectfully requested.